

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112420\
 Data File : BN012720.D
 Acq On : 24 Nov 2020 17:27
 Operator : CG/JU
 Sample : L4751-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BG2

Quant Time: Nov 25 01:48:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 11:59:48 2020
 Response via : Initial Calibration

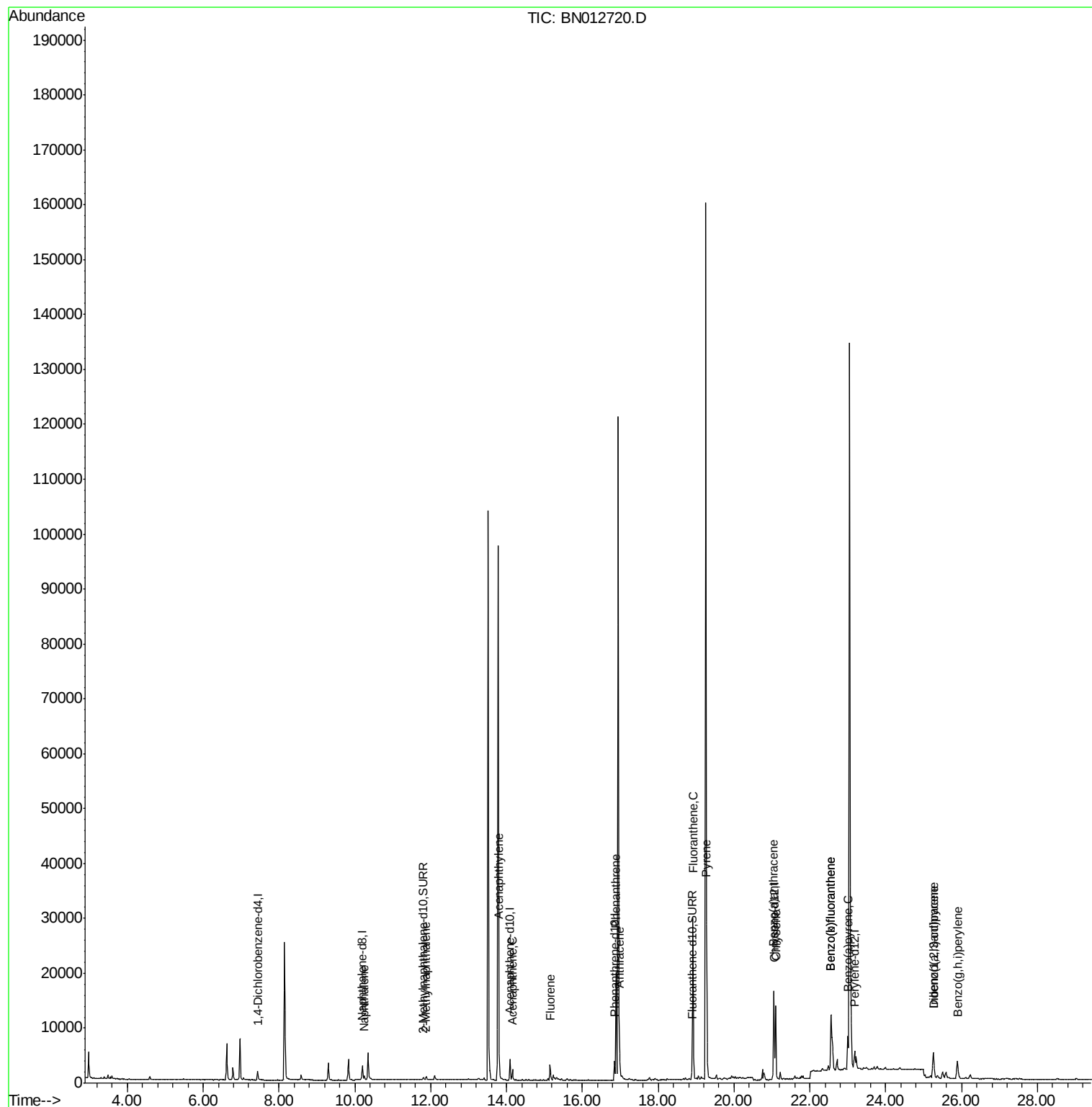
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	880	0.40	ng/ul	0.00
2) Naphthalene-d8	10.20	136	3562	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.09	164	2003	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	4139	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	3637	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3993	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	652	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	1388	0.13	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.25	128	948	0.088	ng/ul#	90
5) 2-Methylnaphthalene	11.88	142	499	0.073	ng/ul	98
7) Acenaphthylene	13.81	152	1282	0.131	ng/ul	94
8) Acenaphthene	14.16	153	1118	0.136	ng/ul	97
9) Fluorene	15.15	166	1717	0.190	ng/ul	98
12) Phenanthrene	16.89	178	20102	1.396	ng/ul	96
13) Anthracene	16.98	178	5325	0.425	ng/ul	99
15) Fluoranthene	18.92	202	25511	1.534	ng/ul	99
17) Pyrene	19.28	202	22469	1.381	ng/ul	99
18) Benzo(a)anthracene	21.05	228	13593	1.043	ng/ul	100
19) Chrysene	21.10	228	12572	0.772	ng/ul	97
21) Benzo(b)fluoranthene	22.56	252	22710	1.236	ng/ul	96
22) Benzo(k)fluoranthene	22.56	252	22710	1.072	ng/ul	94
23) Benzo(a)pyrene	23.00	252	4515	0.261	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.25	276	6915	0.306	ng/ul	99
25) Dibenzo(a,h)anthracene	25.27	278	2008	0.111	ng/ul#	71
26) Benzo(a,h,i)perylene	25.89	276	6358	0.312	ng/ul	98

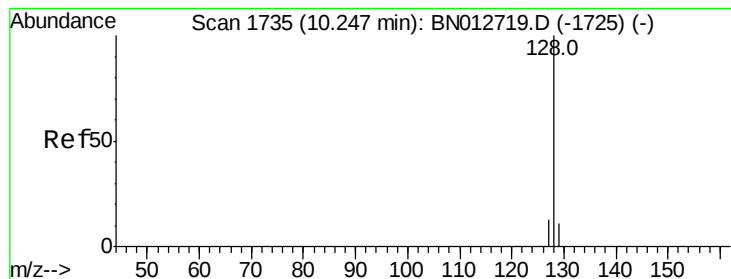
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 25 01:48:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.088 ng/ul

RT: 10.25 min Scan# 1736

Delta R.T. 0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampleId :

C0BG2

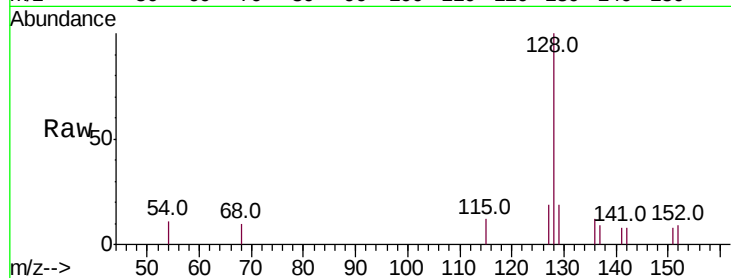
Tot Ion:128 Resp: 948

Ion Ratio Lower Upper

128 100

129 18.8 11.2 16.8#

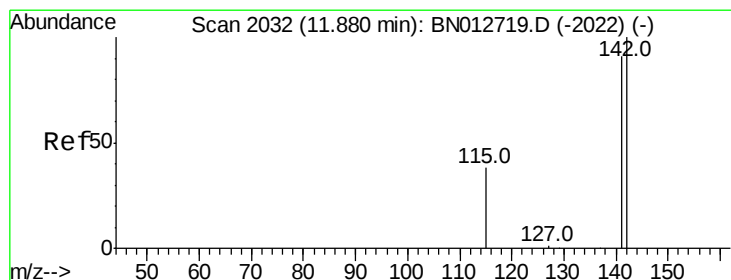
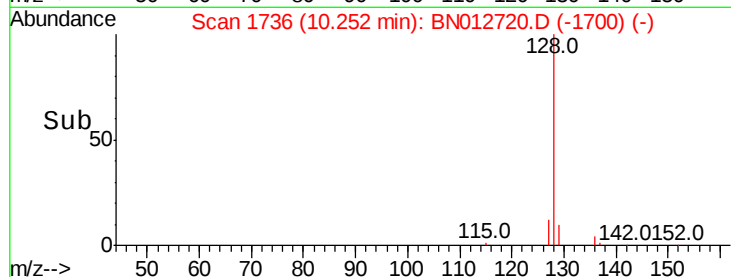
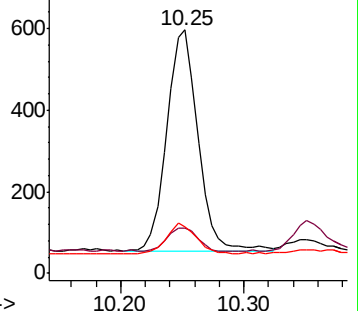
127 19.1 12.5 18.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 11.88 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BN012720.D

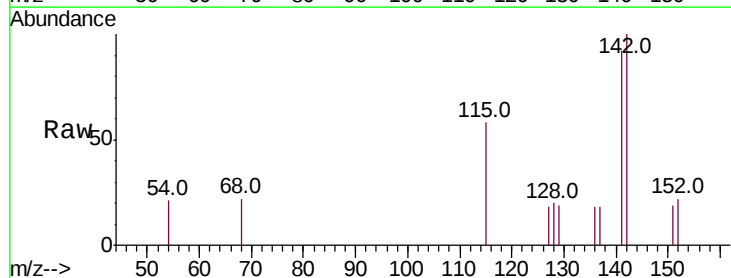
Acq: 24 Nov 2020 17:27

Tgt Ion:142 Resp: 499

Ion Ratio Lower Upper

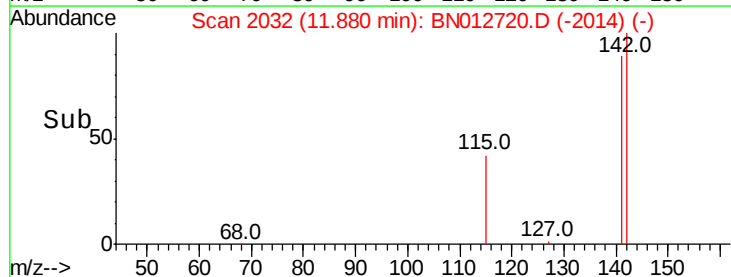
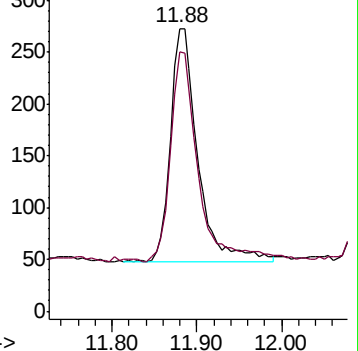
142 100

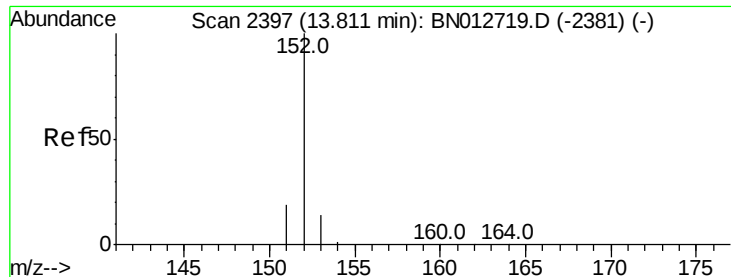
141 92.2 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.131 ng/ul

RT: 13.81 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampled :

C0BG2

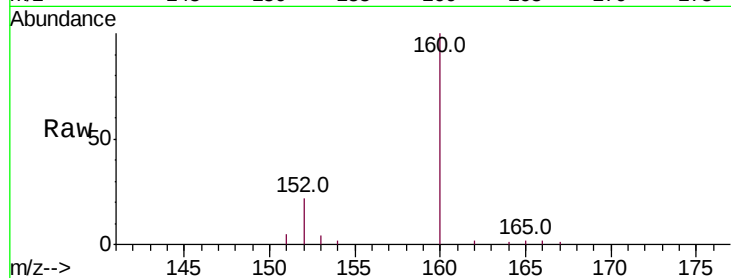
Tot Ion:152 Resp: 1282

Ion Ratio Lower Upper

152 100

151 24.3 17.1 25.7

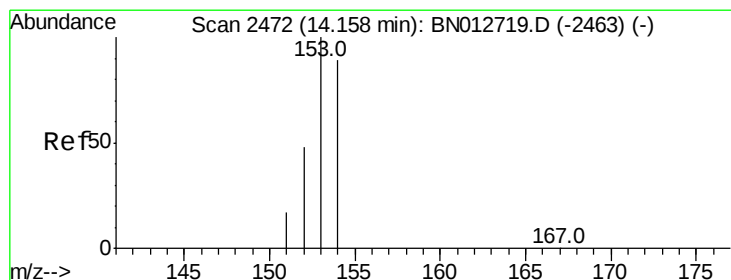
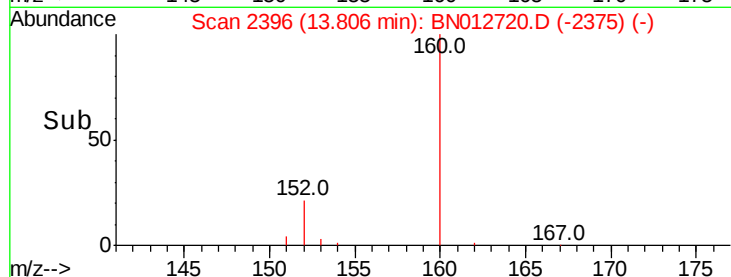
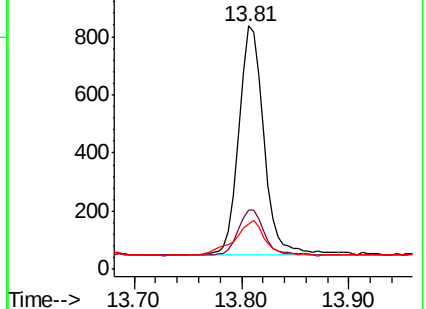
153 18.6 12.6 19.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.136 ng/ul

RT: 14.16 min Scan# 2472

Delta R.T. 0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

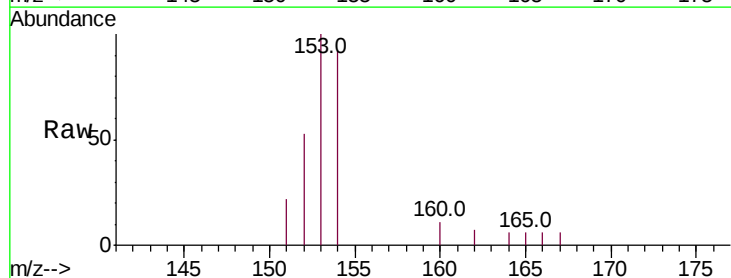
Tgt Ion:153 Resp: 1118

Ion Ratio Lower Upper

153 100

152 52.6 41.4 62.0

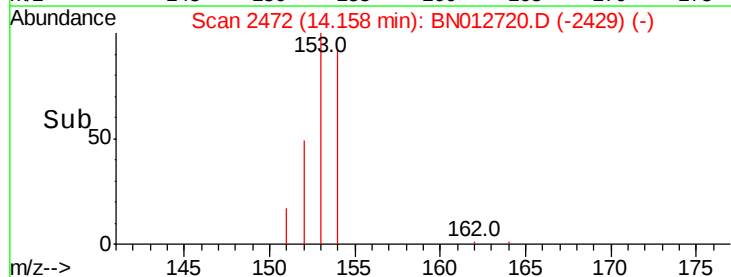
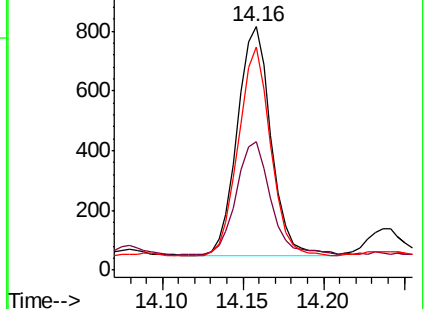
154 91.8 70.9 106.3

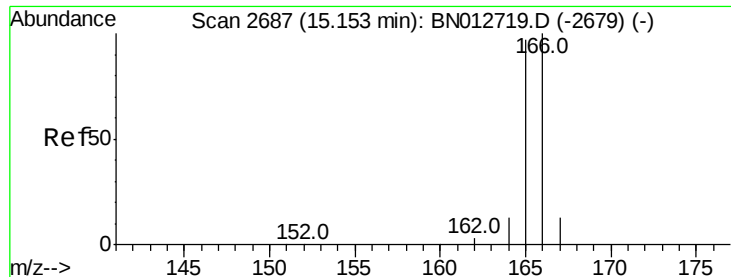


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.190 ng/ul

RT: 15.15 min Scan# 2687

Delta R.T. 0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampleId :

C0BG2

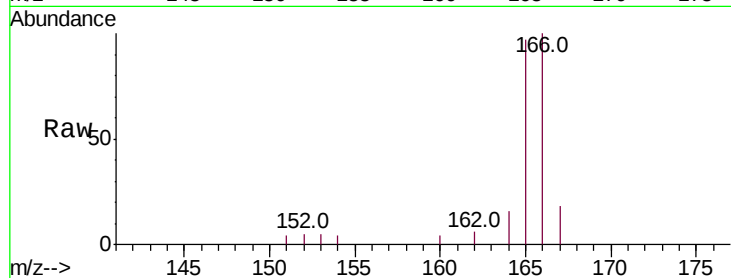
Tot Ion:166 Resp: 1717

Ion Ratio Lower Upper

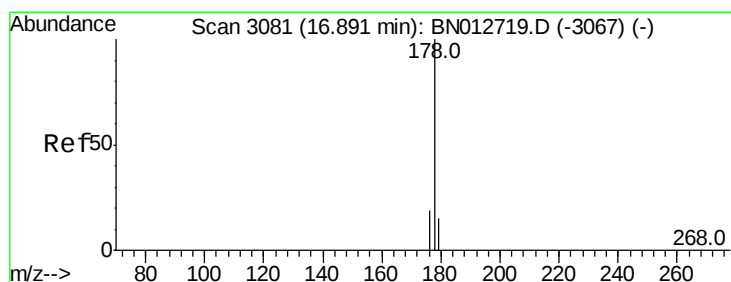
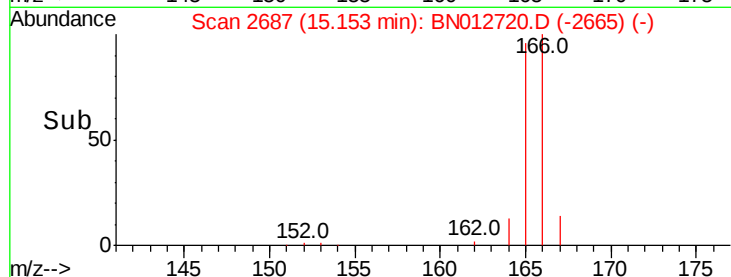
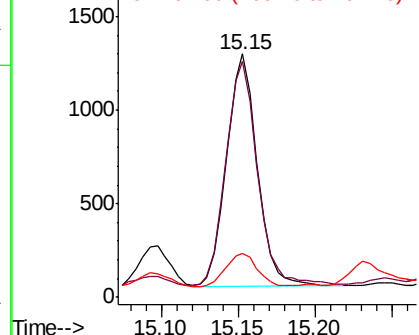
166 100

165 96.8 78.5 117.7

167 18.1 12.7 19.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 1.396 ng/ul

RT: 16.89 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

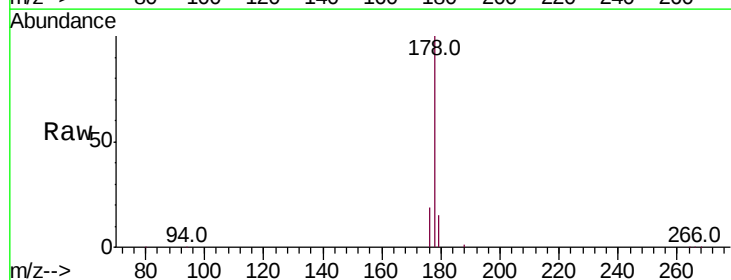
Tgt Ion:178 Resp: 20102

Ion Ratio Lower Upper

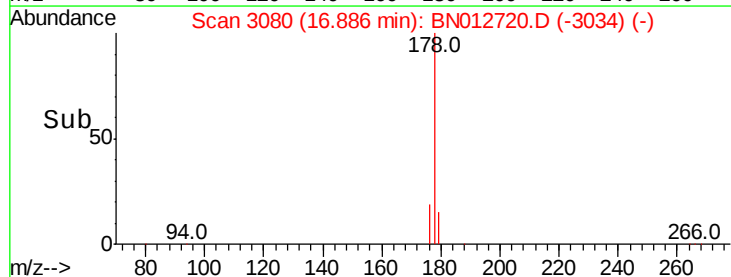
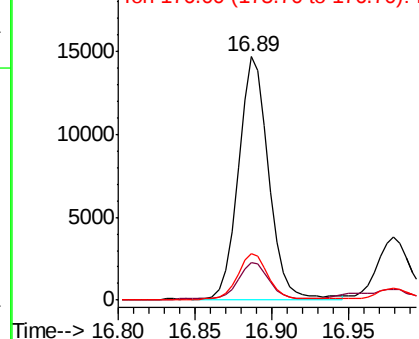
178 100

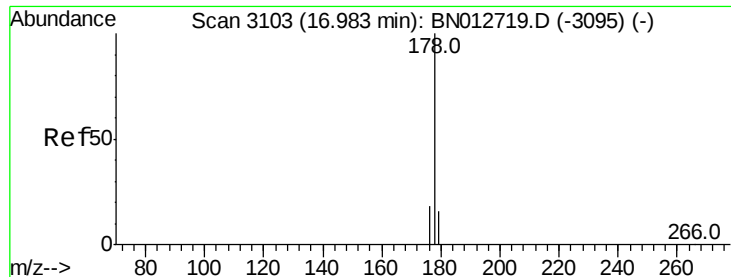
179 15.5 13.8 20.6

176 19.2 16.7 25.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.425 ng/ul

RT: 16.98 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampleId :

C0BG2

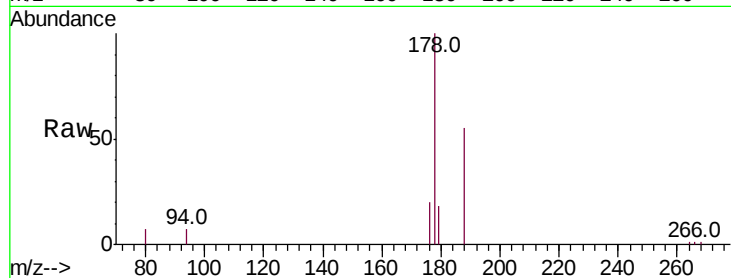
Tot Ion:178 Resp: 5325

Ion Ratio Lower Upper

178 100

179 17.9 14.8 22.2

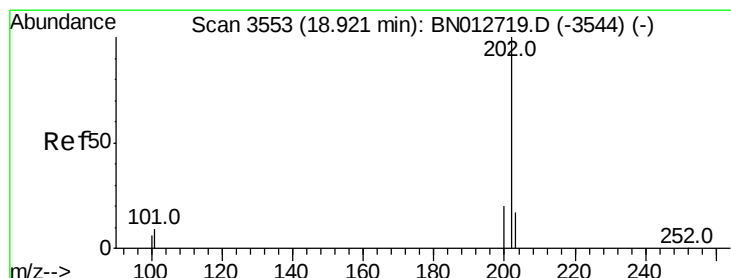
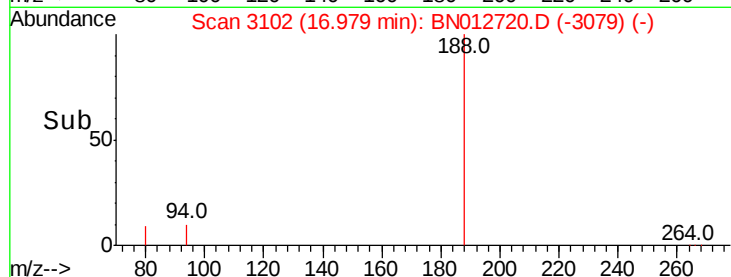
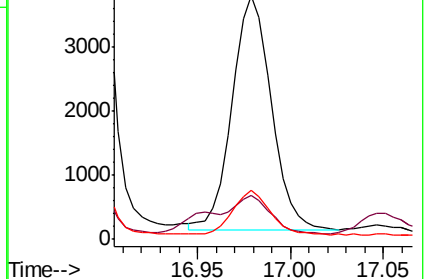
176 19.9 16.3 24.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.534 ng/ul

RT: 18.92 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

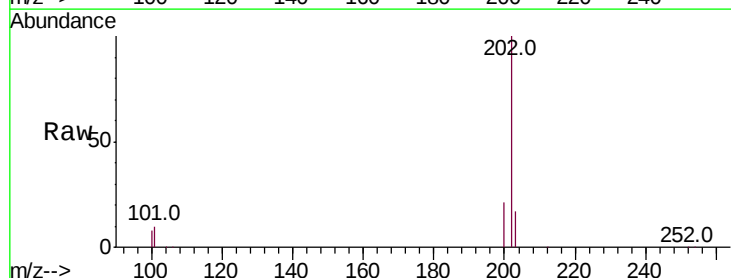
Tgt Ion:202 Resp: 25511

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.5

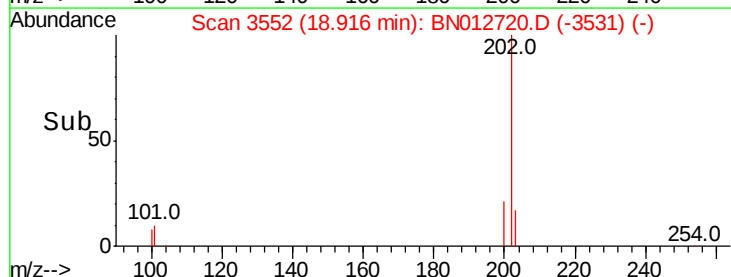
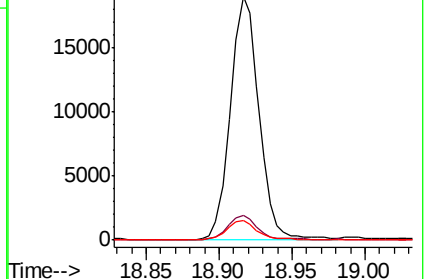
100 7.8 0.0 28.4

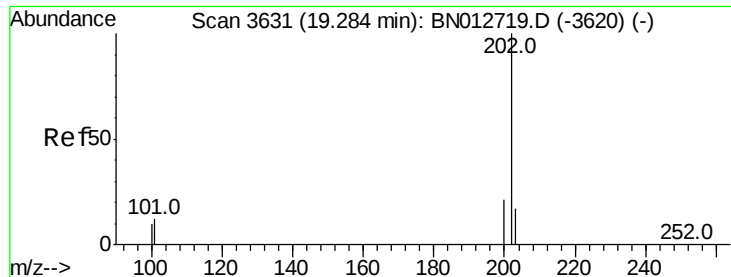


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

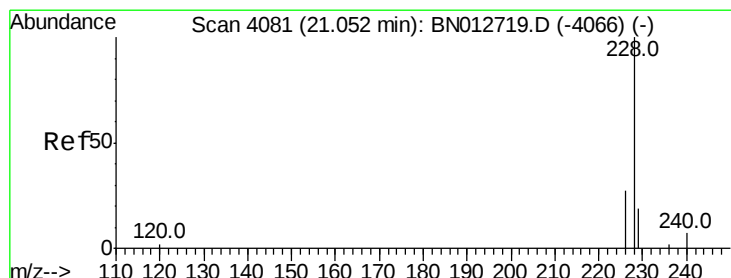
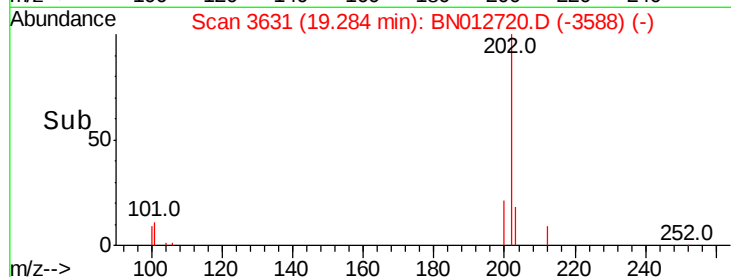
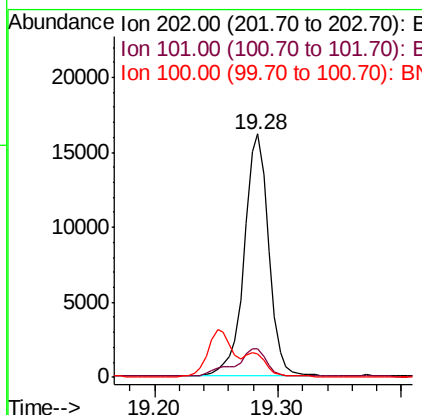
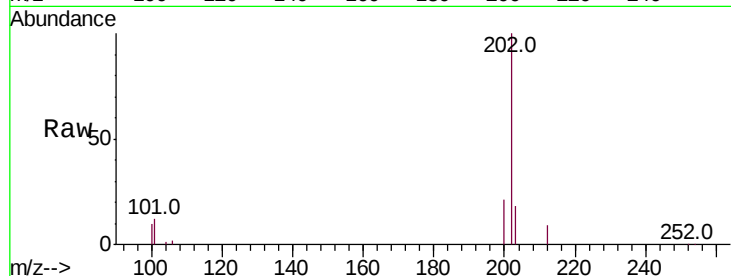




#17
Pvrene
Concen: 1.381 ng/ul
RT: 19.28 min Scan# 3631
Delta R.T. 0.00 min
Lab File: BN012720.D
Acq: 24 Nov 2020 17:27

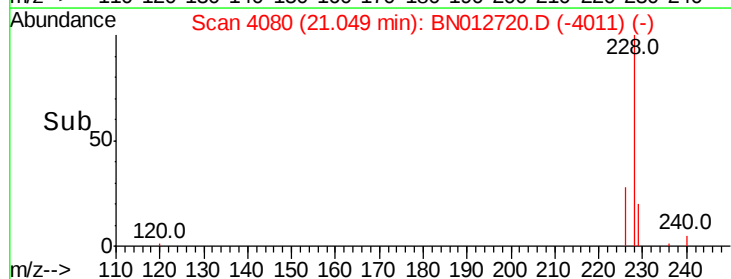
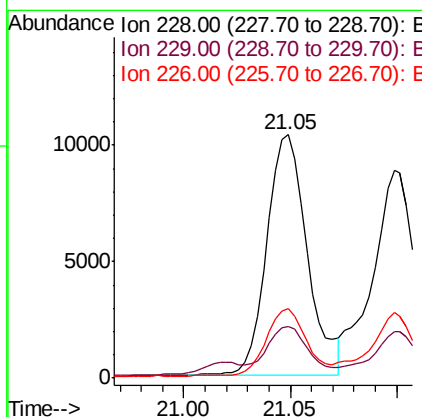
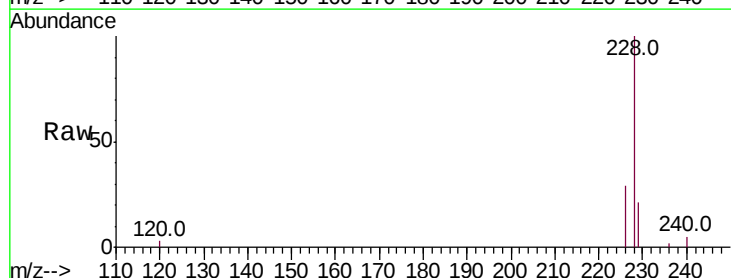
Instrument :
BNA_N
ClientSampleId :
C0BG2

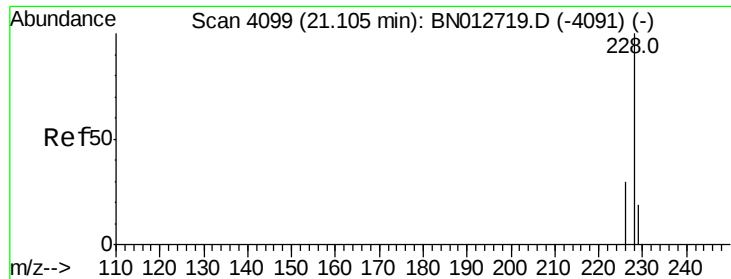
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.5	7.4	11.2



#18
Benzo(a)anthracene
Concen: 1.043 ng/ul
RT: 21.05 min Scan# 4080
Delta R.T. 0.00 min
Lab File: BN012720.D
Acq: 24 Nov 2020 17:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.9	25.3
226	28.8	23.1	34.7





#19

Chrysene

Concen: 0.772 ng/ul

RT: 21.10 min Scan# 4097

Delta R.T. -0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampleId :

C0BG2

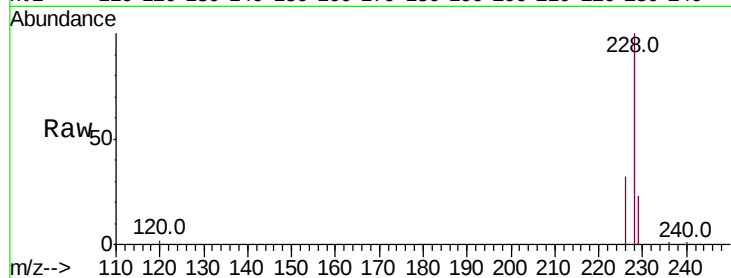
Tot Ion:228 Resp: 12572

Ion Ratio Lower Upper

228 100

226 31.7 24.4 36.6

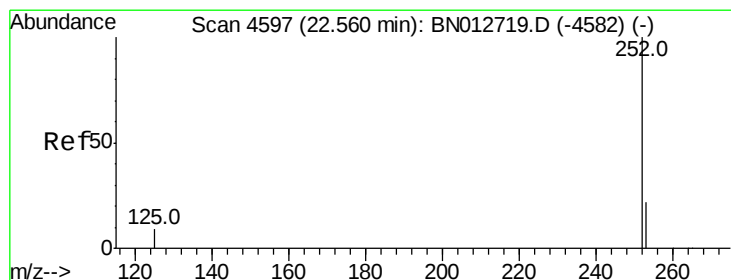
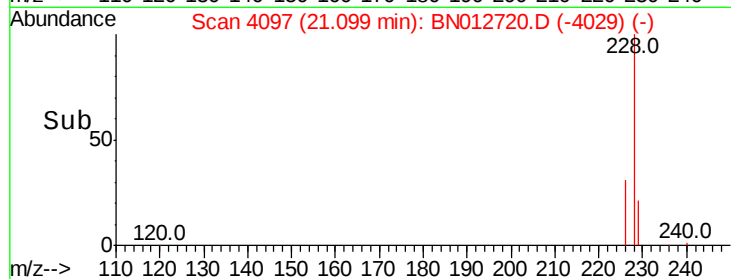
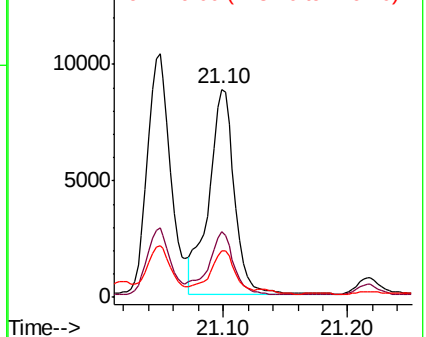
229 22.6 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 1.236 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. 0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

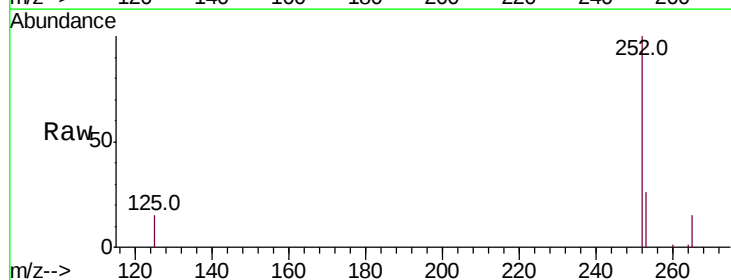
Tgt Ion:252 Resp: 22710

Ion Ratio Lower Upper

252 100

253 26.4 0.0 58.4

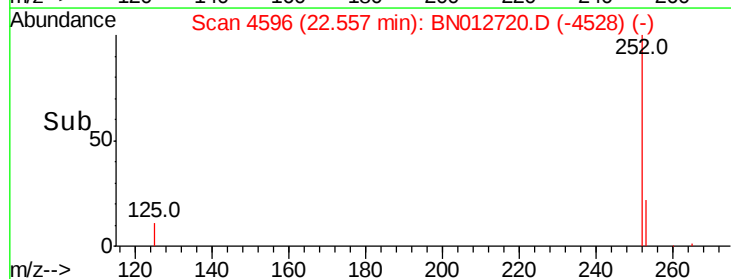
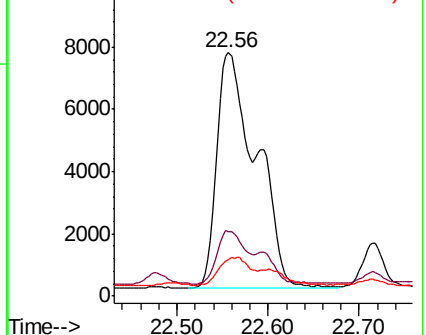
125 15.1 0.0 28.6

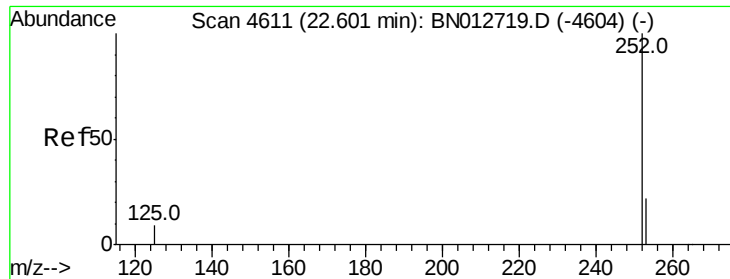


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.072 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.04 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampleId :

C0BG2

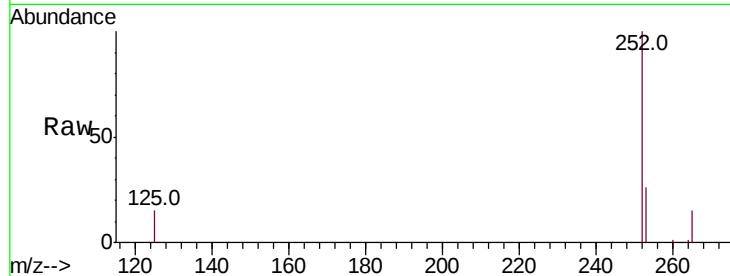
Tot Ion:252 Resp: 22710

Ion Ratio Lower Upper

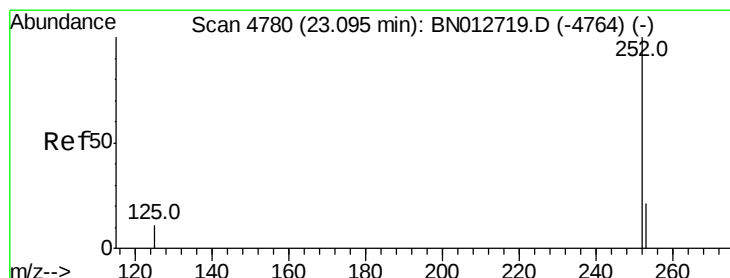
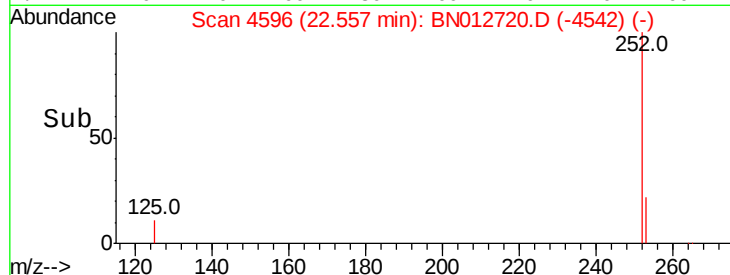
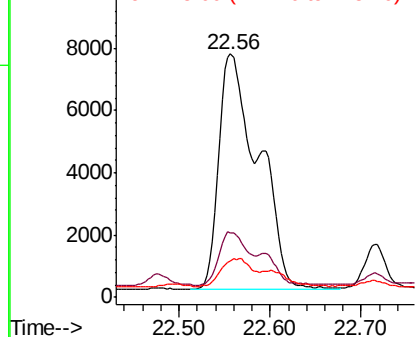
252 100

253 26.4 23.4 35.2

125 15.1 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 0.261 ng/ul

RT: 23.00 min Scan# 4747

Delta R.T. -0.09 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

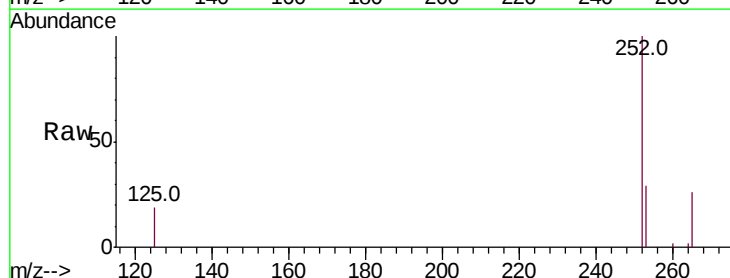
Tgt Ion:252 Resp: 4515

Ion Ratio Lower Upper

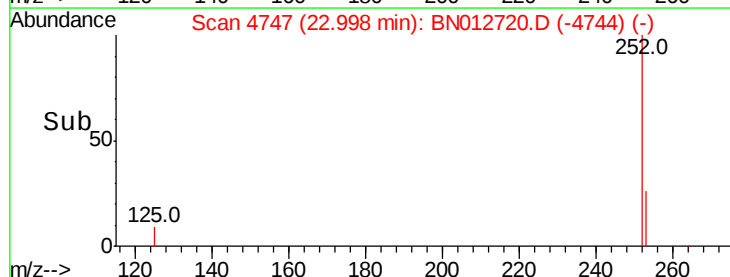
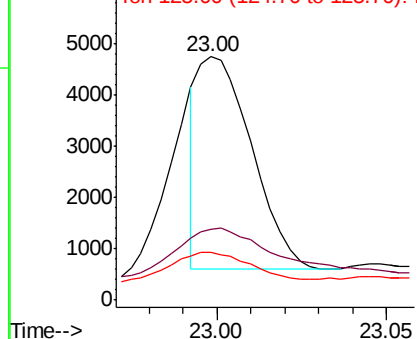
252 100

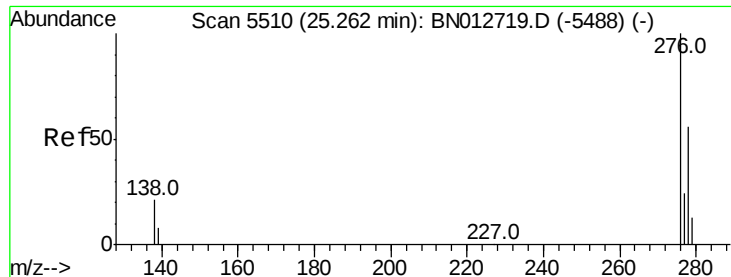
253 29.3 27.6 41.4

125 19.4 17.0 25.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



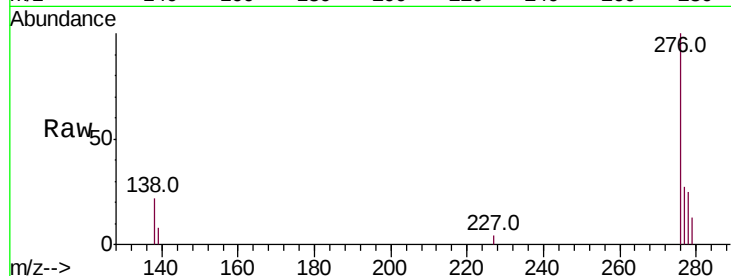


#24

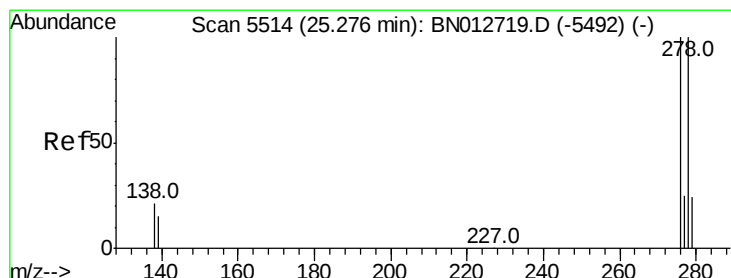
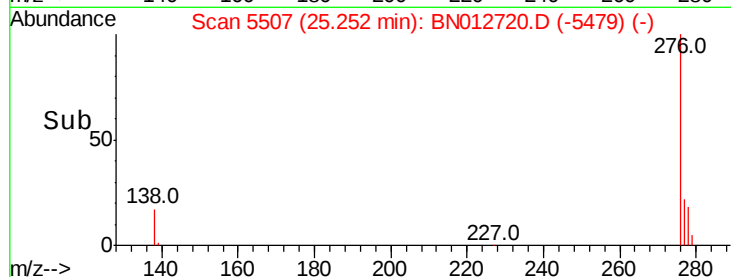
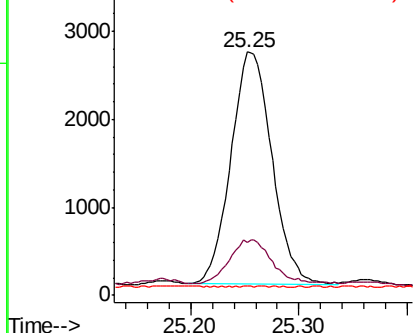
Indeno(1,2,3-cd)pyrene
Concen: 0.306 ng/u1
RT: 25.25 min Scan# 5507
Delta R.T. -0.01 min
Lab File: BN012720.D
Acq: 24 Nov 2020 17:27

Instrument :
BNA_N
ClientSampleId :
C0BG2

Tot Ion:276 Resp: 6915
Ion Ratio Lower Upper
276 100
138 20.1 16.5 24.7
227 0.1 0.1 0.1



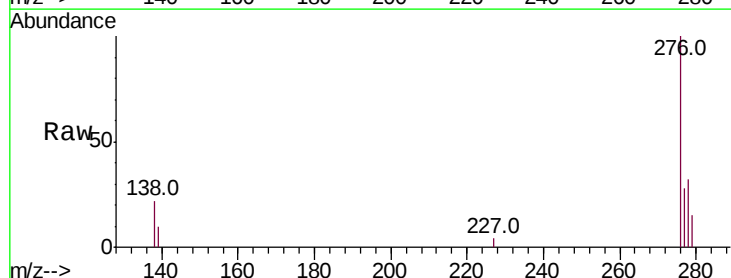
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



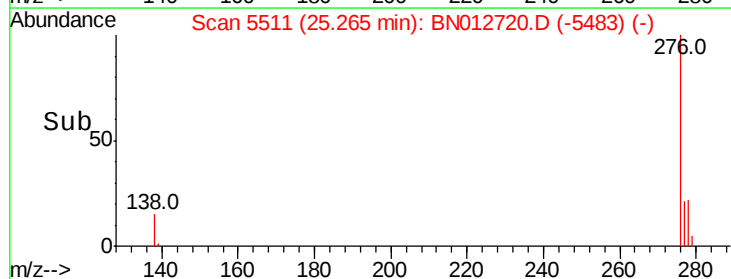
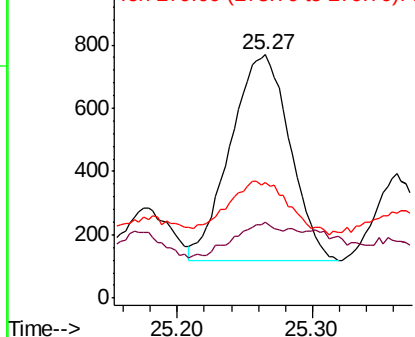
#25

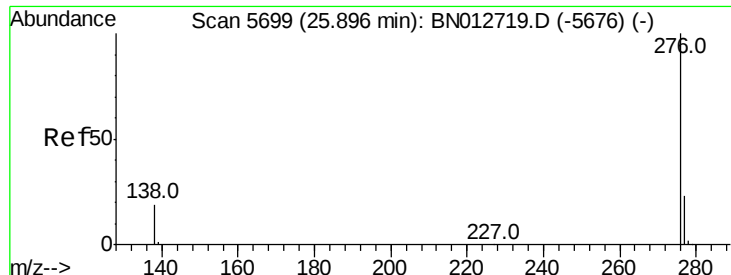
Dibenzo(a,h)anthracene
Concen: 0.111 ng/u1
RT: 25.27 min Scan# 5511
Delta R.T. -0.01 min
Lab File: BN012720.D
Acq: 24 Nov 2020 17:27

Tgt Ion:278 Resp: 2008
Ion Ratio Lower Upper
278 100
139 30.9 13.8 20.8#
279 47.3 25.6 38.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.312 ng/ul

RT: 25.89 min Scan# 5698

Delta R.T. 0.00 min

Lab File: BN012720.D

Acq: 24 Nov 2020 17:27

Instrument :

BNA_N

ClientSampleId :

C0BG2

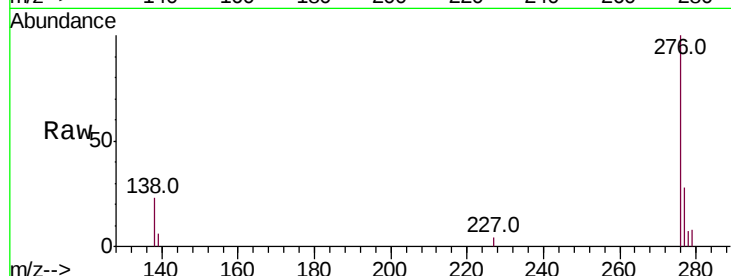
Tot Ion:276 Resp: 6358

Ion Ratio Lower Upper

276 100

138 22.8 16.3 24.5

277 27.5 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

